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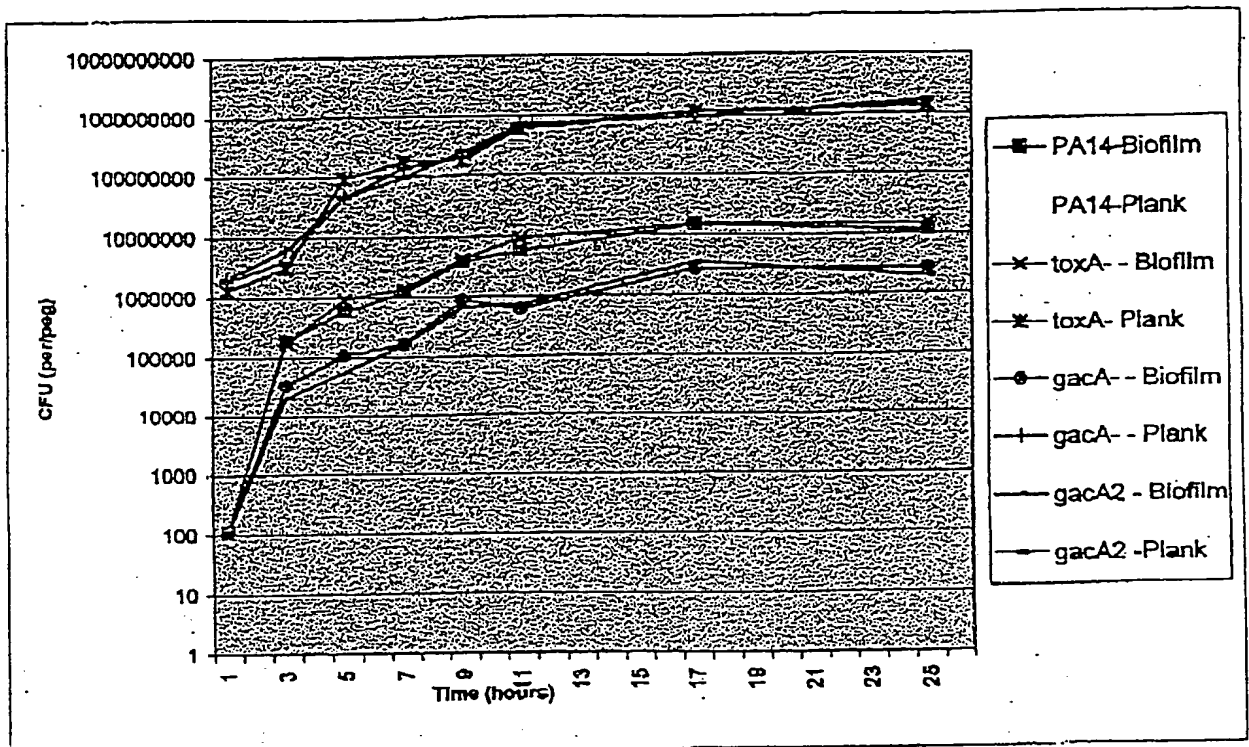
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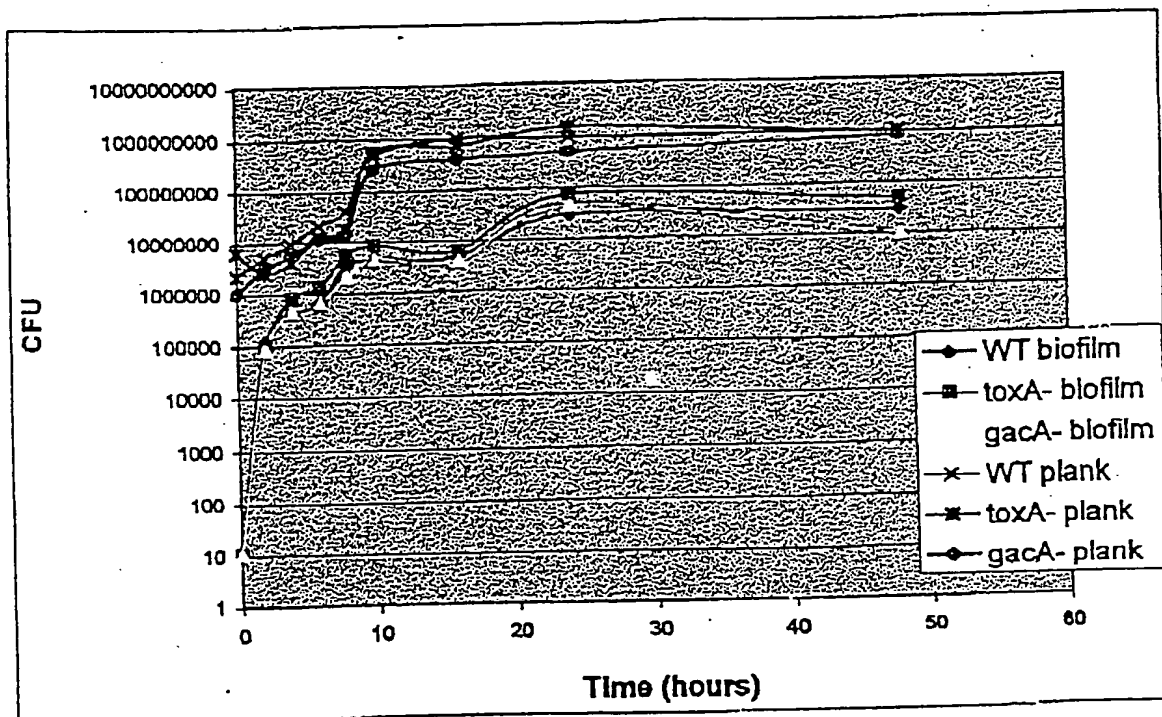
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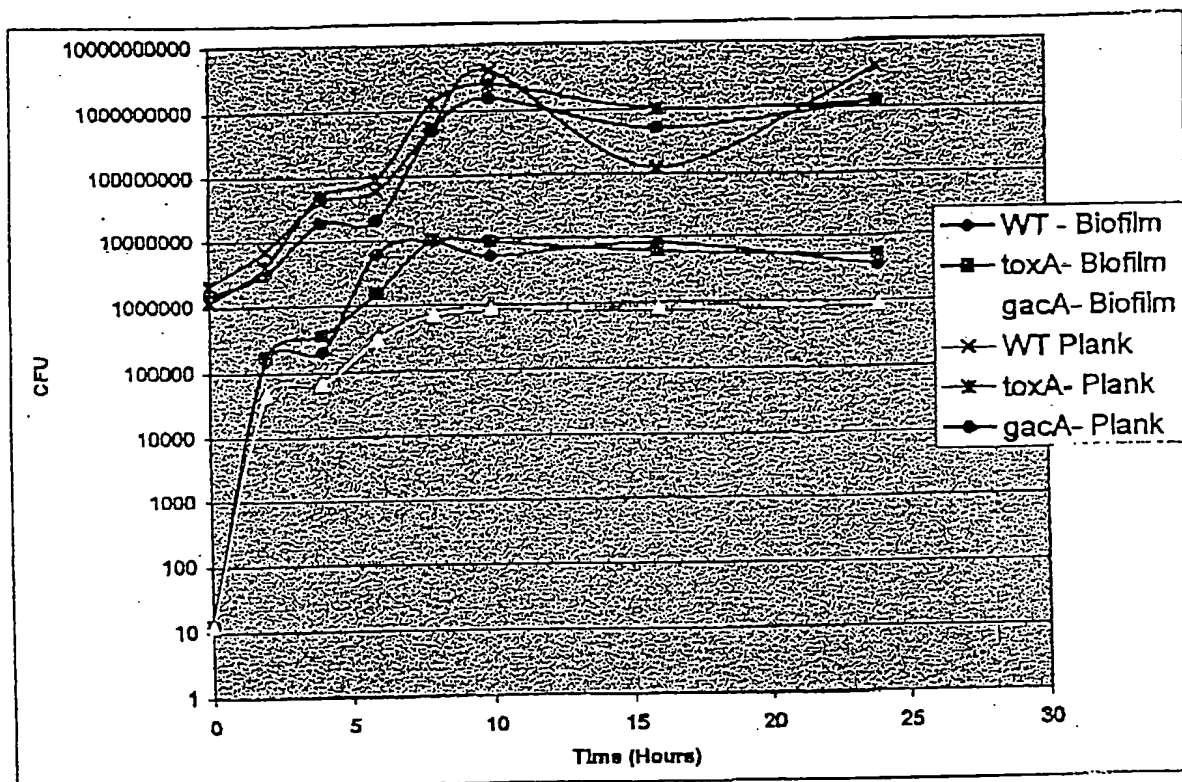
**Figure 1: Growth Curves of PA14 Wild Type, PA14 *toxA*<sup>-</sup>, and PA14 *gacA*<sup>-</sup> grown in the MBEC™ Device**



**Figure 2: Growth Curves of PA14 Wild Type, PA14 *toxA*<sup>-</sup>, and PA14 *gacA*<sup>-</sup> transformed with pGacA grown in the MBEC™ Device**

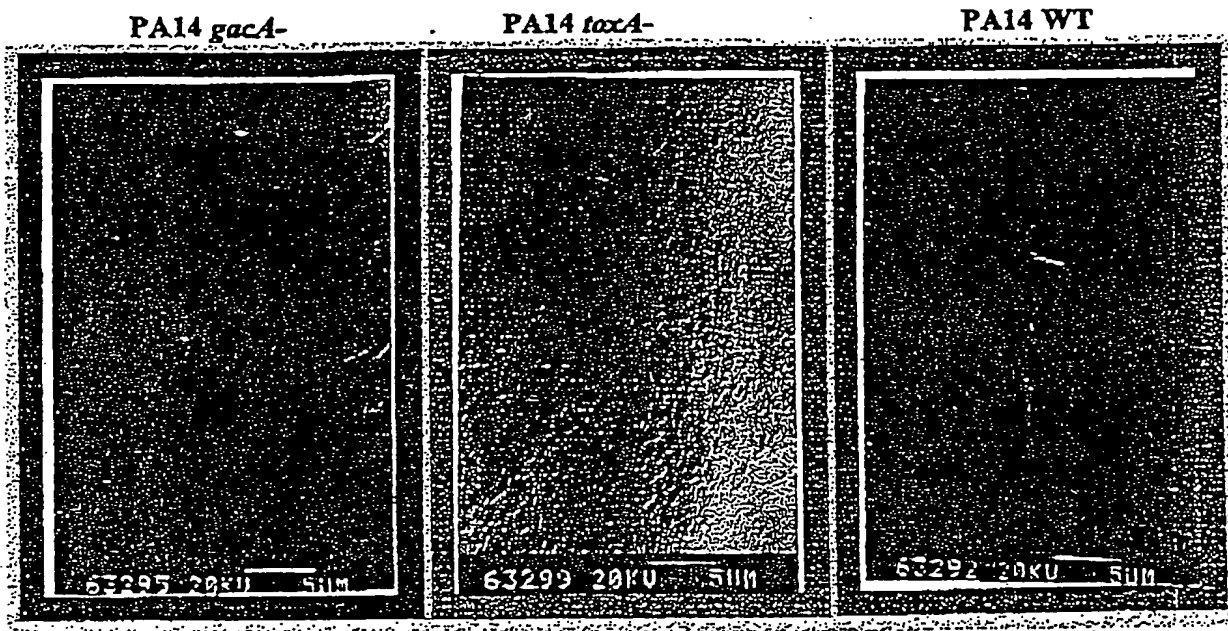


**Figure 3: Growth Curves of PA14 Wild Type, PA14 *toxA*<sup>-</sup>, and PA14 *gacA*<sup>-</sup> transformed with control plasmid pUCSF grown in the MBEC<sup>TM</sup> Device**

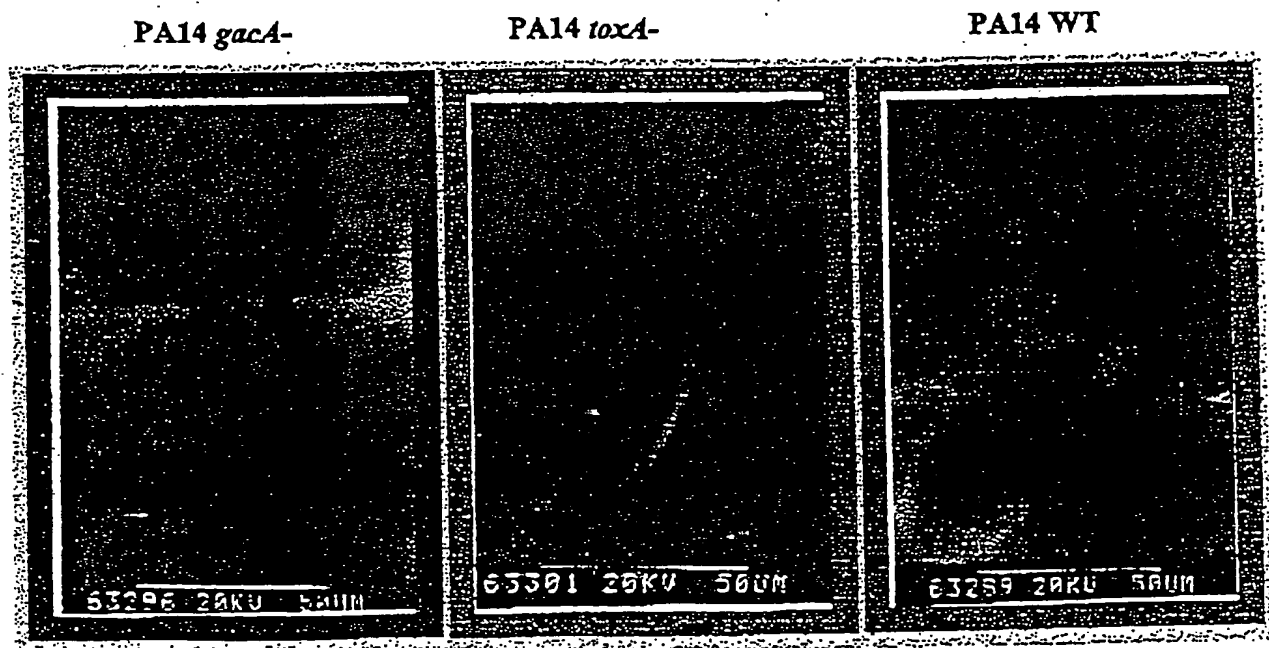


**Figure 4: Scanning Electron Micrographs of Biofilms  
formed by *P. aeruginosa* PA14 WT, *toxA*<sup>-</sup>, *gacA*<sup>-</sup>**

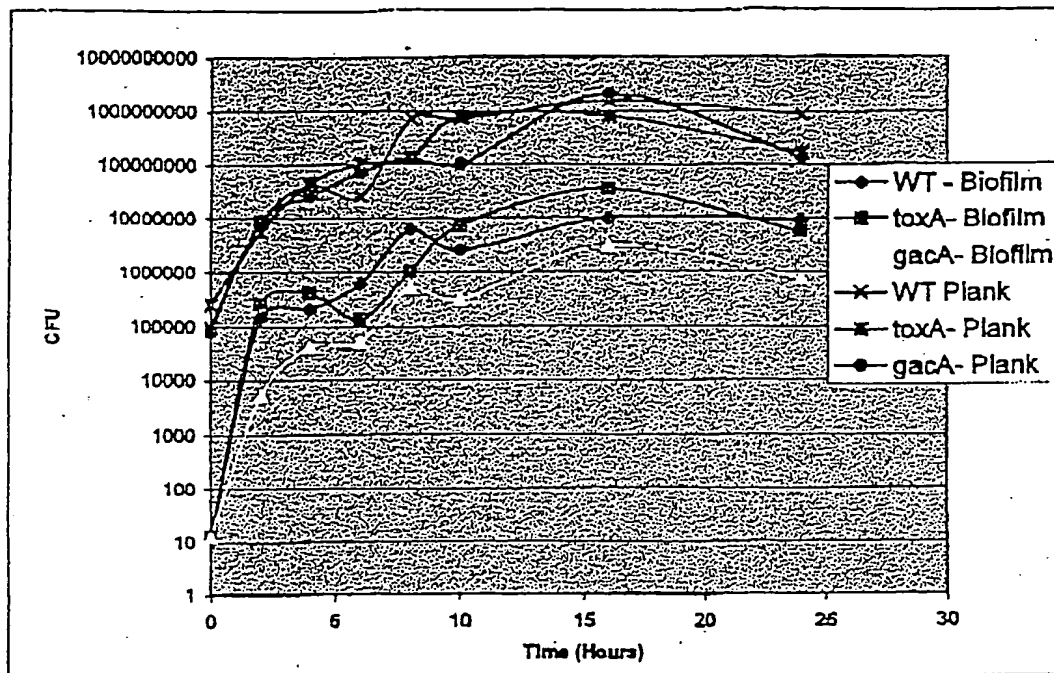
**High Magnification Scanning Electron Micrograph**



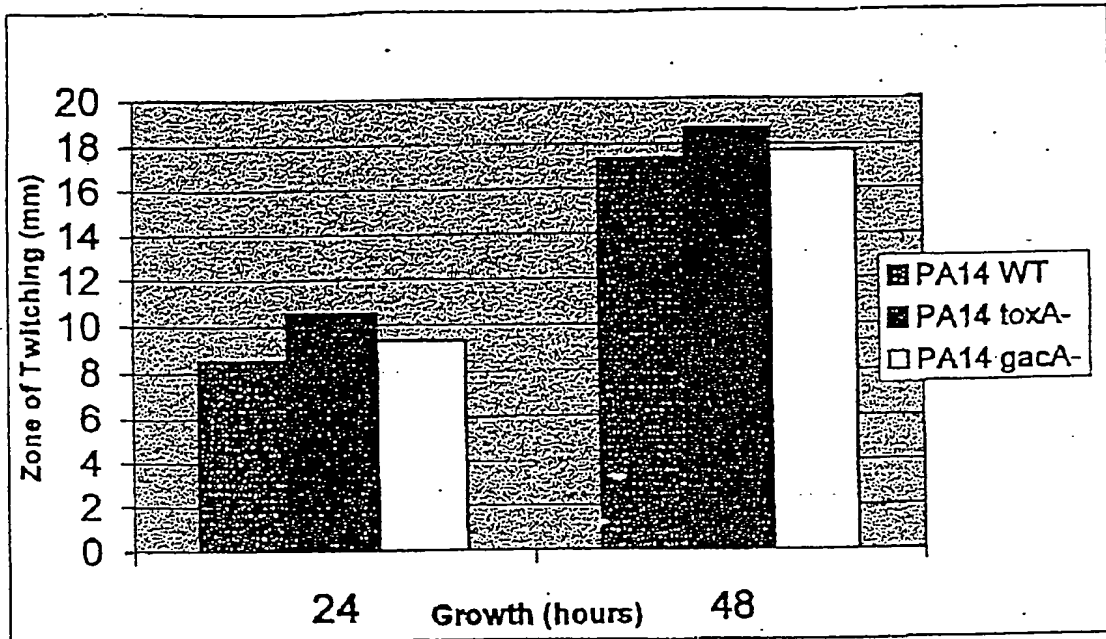
**Low Magnification Scanning Electron Micrograph**



**Figure 5: Growth Curves of PA14 Wild Type, PA14 *toxA*<sup>-</sup>, and PA14 *gacA*<sup>-</sup> transformed with pMJG1.7 (multi-copy *lasR*) grown in the MBEC<sup>TM</sup> Device**



**Figure 6: Twitching Motility Assays of *P. aeruginosa* PA14 WT, *toxA*<sup>-</sup>, *gacA*<sup>-</sup>**



**Figure 7: PAI-1 Production by *P. aeruginosa* strains**

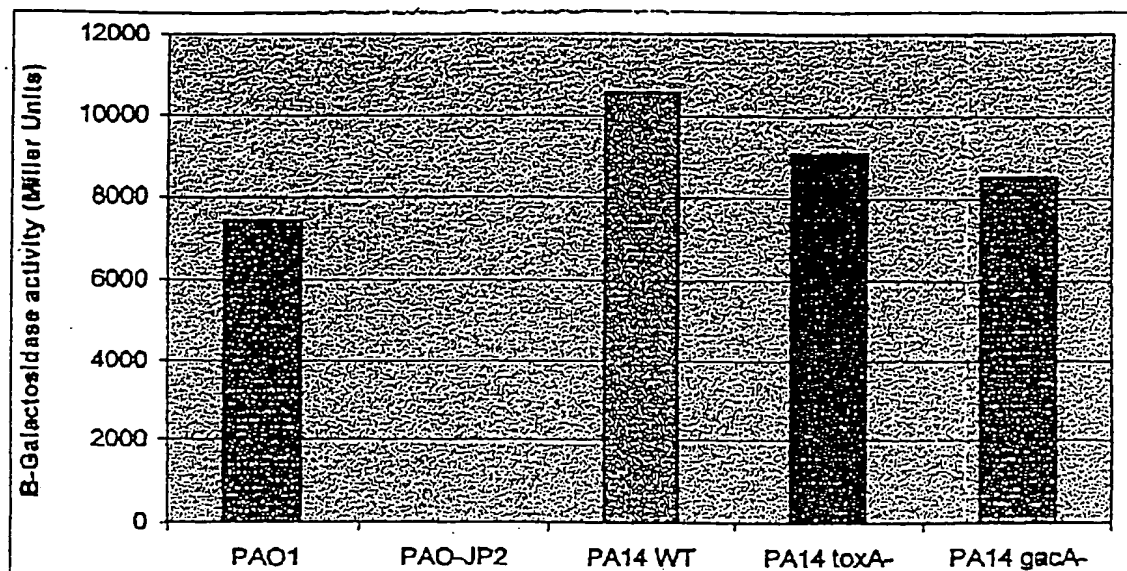




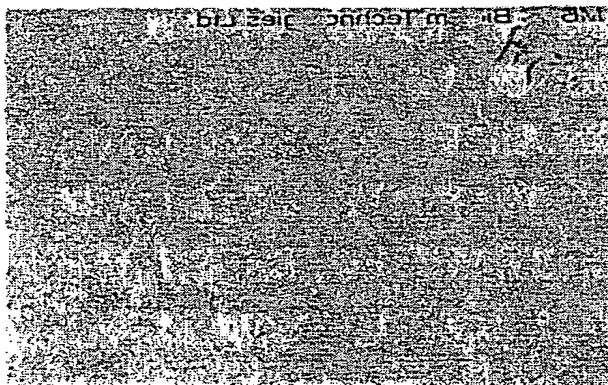
FIGURE 8: *Pseudomonas chloropaphis* O6  
Biofilm growth on MBEC device

wild type



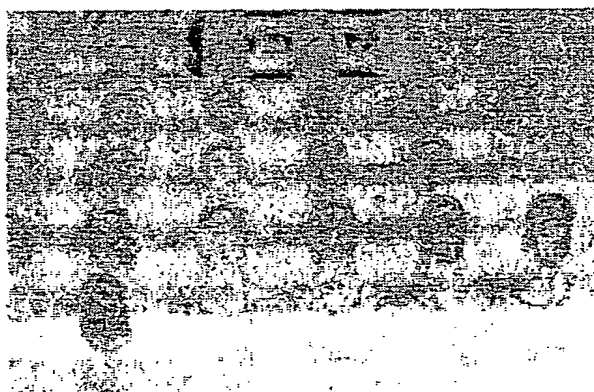
A

*gacS*- mutant



B

*gacS*/+ - complemented mutant



C

FIGURE 9:

*Pseudomonas chlororaphis* O6  
Biofilm formation 24h - MBEC

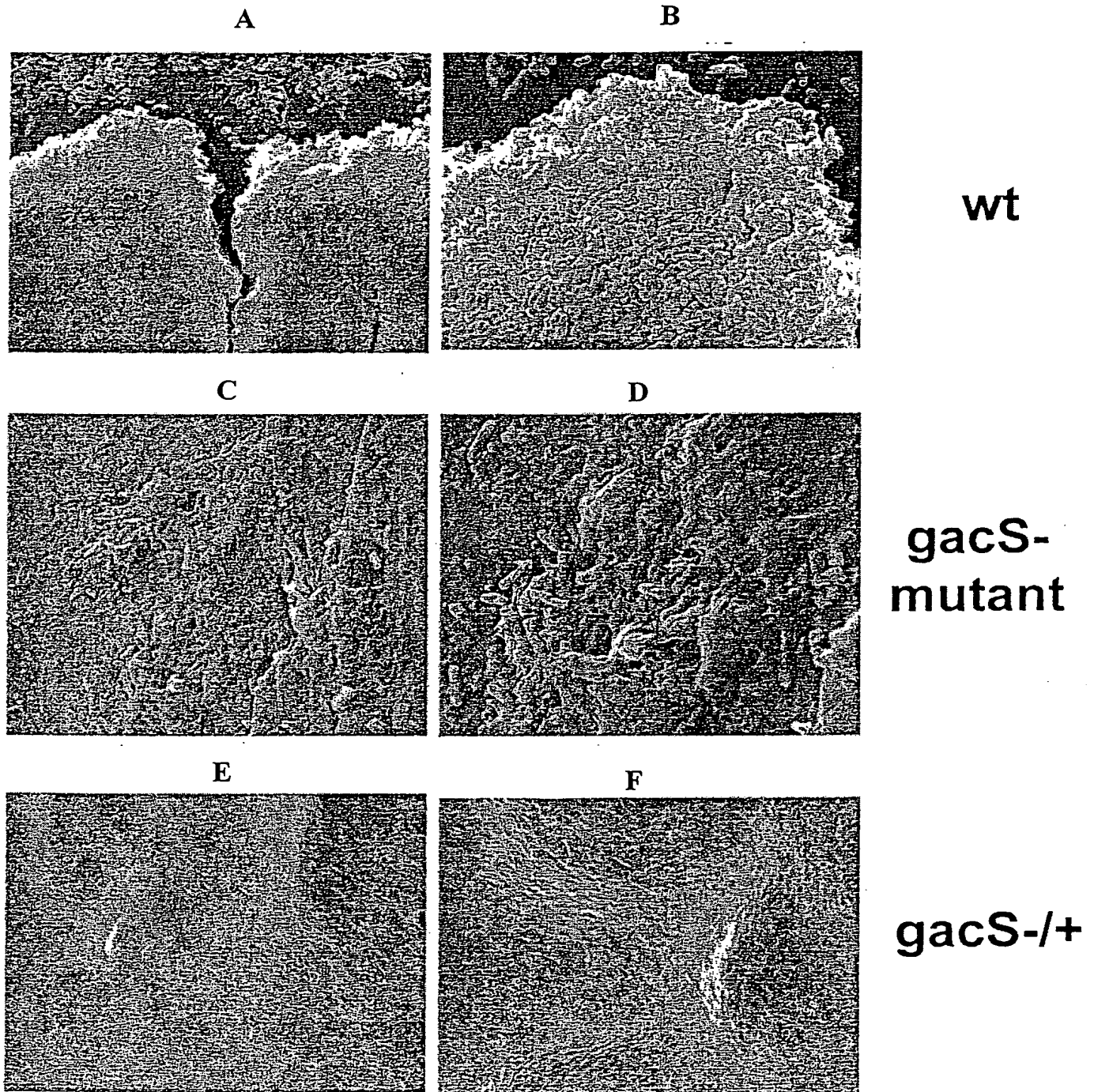


FIGURE 10:

*Pseudomonas chlororaphis* O6  
Biofilm formation 24h - MBEC

